

Proposal # 2001-6200 (Office Use Only)

PSP Cover Sheet (Attach to the front of each proposal)

Proposal Title: Canal Ranch Habitat Restoration Phase III Demonstration Project
 Applicant Name: Brad Burkholder
 Mailing Address: 4001 N. Wilson Way, Stockton, CA 95205
 Telephone: (209) 948-7800
 Fax: (209) 946-6355
 Email: bholder@delta.dfg.ca.gov

Amount of funding requested: \$ \$12,015,265

Some entities charge different costs dependent on the source of the Funds. If it is different for state or federal funds list below.

State cost 18.54% Federal cost 19.90%

Cost share partners? Yes ☒ No

Identify partners and amount contributed by each _____

Indicate the Topic for which **you are** applying (check **only** one box).

- | | |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes | <input checked="" type="checkbox"/> Beyond the Riparian Corridor |
| <input type="checkbox"/> Nonnative Invasive Species | <input type="checkbox"/> Local Watershed Stewardship |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Flood Management | <input type="checkbox"/> Special Status Species Surveys and Studies |
| <input type="checkbox"/> Shallow Water Tidal/Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants | <input type="checkbox"/> Fish Screens |

What county or counties is the project located in? San Joaquin

What **CALFED** ecozone is the project located in? See attached list and indicate number.

Be as specific as possible 1.2 East Delta

Indicate the type of applicant (check only one box):

- | | |
|--|---|
| <input checked="" type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> 17 Non-profit |
| <input type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes |
| <input type="checkbox"/> University | <input type="checkbox"/> Private party |
| <input type="checkbox"/> Other: _____ | |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|---|--|
| <input checked="" type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon | <input type="checkbox"/> Fall-run chinook salmon |
| <input type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input checked="" type="checkbox"/> Delta smelt | <input type="checkbox"/> Steelhead trout |
| <input checked="" type="checkbox"/> Splittail | <input type="checkbox"/> Striped bass |
| <input type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input type="checkbox"/> White sturgeon | <input type="checkbox"/> All anadromous salmonids |
| <input type="checkbox"/> Waterfowl and Shorebirds | <input type="checkbox"/> American shad |
| <input checked="" type="checkbox"/> Migratory birds | |
| <input type="checkbox"/> Other listed T/E species: | |

Indicate the type of project (check only one box):

- | | |
|--|---|
| <input type="checkbox"/> Research/Monitoring | <input type="checkbox"/> Watershed Planning |
| <input checked="" type="checkbox"/> Pilot/Demo Project | <input type="checkbox"/> Education |
| <input type="checkbox"/> Full-scale Implementation | |

Is this a next-phase of an ongoing project?

Yes X No

Have **you** received funding from CALFED before?

Yes X No

If yes, list project title and CALFED number:

Canal Ranch Habitat Restoration Phase II, 99-B116

Have you received funding from CVPIA before?

Yes No X

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal,
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and Waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

BRAD BULLHOLTER

Printed name of applicant

Brad Bullholter

Signature of applicant

**Canal Ranch Habitat Restoration,
Phase III
Demonstration Project**

Prepared in Response to:

CALFED Bay-Delta Program
2001 Proposal Solicitation Package
Ecosystem Restoration Projects and Programs

Applicant:

California Department of Fish and Game
Central Valley Bay-Delta Branch
4001 North Wilson Way
Stockton, California 95205
Phone (209) 948-7800

Principal Investigator:

Brad Burkholder, Biologist
California Department of Fish and Game
Central Valley Bay-Delta Branch
4001 North Wilson Way
Stockton, California 95205
Phone (209) 948-7800; Fax (209) 946-6355
e-mail: bburkholder@delta.dfg.ca.gov

Type of Organization:

State Agency

Implementation Participants/Collaborators:

Current participants include the Canal Ranch Partner's, L.L.C. and the California Department of Fish and Game. Implementation, guidance, and assistance will be provided by the U.S. Fish and Wildlife Service, Bureau of Land Management, Ducks Unlimited, Inc., and the Natural Resource Conservation Service.

EXECUTIVE SUMMARY

Canal Ranch Habitat Restoration, Phase III- Demonstration Project

Amount Requested \$12,015,265

Applicant: California Department of Fish and Game, Central Valley Bay-Delta Branch, 4001 North Wilson Way, Stockton, California 95205, **Mr. Brad Burkholder**, Wildlife Biologist, Phone (209) 948-7800, Fax (209) 946-6355, E-mail burkholder@delta.dfg.ca.gov

Participants/Collaborators in Implementation: Current participants include the Canal Ranch Partner's, L.L.C. and the California Department of Fish and Game. Implementation guidance and assistance will be provided by the U.S. Fish and Wildlife Service, Bureau of Land Management, Ducks Unlimited, Inc., and the Natural Resource Conservation Service.

Project Description: Phase III of the Canal Ranch Habitat Restoration Demonstration Project is for next phase funding. This phase of the project is for acquisition of the Canal Ranch Tract through a permanent conservation easement or in fee purchase. The Department of Fish and Game (DFG), with the landowners will develop a plan of acquisition. If a permanent easement is acquired it will include terms and conditions for development, operation, and maintenance of the area.. DFG will continue to work with its collaborators and other interested parties to identify funding partners to assist in completing the project.

Hypothesis: Acquiring and restoring Canal Ranch to a mosaic of seasonal and permanent wetlands and riparian areas in association with wildlife friendly agriculture will aid in the recovery of listed and special status plant and animal species in the Delta.

Primary Benefits: This project will benefit the Sacramento/San Joaquin Delta Ecological Management Zone by restoring land in the eastern Delta. The restoration of this property will benefit listed plant species, fall-run chinook salmon, delta smelt, splittail, black rail, Swainson's hawk, greater sandhill crane, and other listed and special status species.

Proposed Approach: The basic approach is to acquire the Canal Ranch property and restore it to permanent and seasonal wetlands, riparian along the edges, agriculture mixed throughout managed seasonal wetland, and upland adjacent to the agriculture. Phase I, currently in progress, includes the topographic surveys needed to guide the ultimate site restoration. Phase II, scheduled to begin later this fall, involves beginning a public participation outreach element to also help guide the ultimate restoration and management of Canal Ranch.

Coordination with CALFED ERPP Goals: This project will promote three of the six Strategic Goals. Goal 1-At Risk Species: this project will help recover several listed Delta species. Goal 3- Harvestable Species: this project will aid in enhancing populations of wintering waterfowl, and Goal 4-Habitats: the project will help species recovery and restore native communities and provide public access, recreation, and educational opportunities. The project will address uncertainties related to freshwater marsh and managing lands using wildlife friendly methods.

PROJECT DESCRIPTION

Statement of the Problem

Problem: Early European settlers in California reclaimed the Sacramento-San Joaquin Delta for agriculture. Coupled with the channelization of the rivers and sloughs of the Delta, this resulted in the loss of 90 percent of the wetlands. The loss of the wetland connection has reduced or interfered with ecological processes and functions critical for sustaining a healthy ecosystem. A lack of support for the aquatic food web and food web organisms contributes to unhealthy fish populations. A lack of shallow water and shaded riverine habitats reduces the amount of rearing habitat for chinook salmon, delta smelt, and splittail. Reduction in and fragmentation of seasonal wetlands, riparian, and associated uplands has resulted in reduced populations of waterfowl, shorebirds, sandhill cranes, brush rabbits and rare plants dependent on these habitats. Historical reclamation of the Sacramento-San Joaquin Delta for agriculture has greatly reduced the fish and wildlife habitats once associated with the Delta and their values. Some agricultural practices have led to the heavy subsidence of peat soils in the Delta which increases the risk for structural levee failures. The project will help reverse the above conditions and provide CALFED with extremely valuable information to forecast restoration costs.

Objectives: Our main objective is to acquire and restore Canal Ranch as proposed in the Canal Ranch Fish and Wildlife Habitat Management Plan (HMP). The HMP promotes the development of a complex of natural communities while still maintaining agricultural production.

Conceptual Model: Acquisition and restoration of Canal Ranch will reduce subsidence and consumptive water use by shifting to wetland management strategies. In addition, development of permanent waterside habitat areas and modifying agricultural management practices will enhance spawning and rearing habitat for listed species such as the splittail and delta smelt. Project implementation will increase foraging habitat for sandhill cranes, Swainson's hawks, and wintering waterfowl.

Primary restoration methods will involve construction of levees, excavation of interior sloughs, ponds, and ditches, limited planting of sensitive plant species, and a program of invasive species management.

Our approach to restoration of Canal Ranch is to prescribe a plant community composition and juxtaposition based upon existing site conditions. Based upon those conditions and discussions with habitat and species experts, we designed a conceptual plan in 1996 that will maintain a viable agricultural practice while increasing the benefits to fish and wildlife. Based upon site visits, it was clear that topography and soils of the site varied greatly from east to west. The topography is clearly lower on the western two thirds of the site which are dominated by peat soils compared to the eastern third which is dominated by more mineral soils.

The basic concept of the HMP is to implement permanent wetlands in the lowest parts of the

property and develop management practices for the entire area that promote fish and wildlife use. Examples include wetlands such as emergent marsh and seasonal wetland in the lowest parts of the property, riparian along the edges, agriculture mixed throughout managed seasonal wetlands, and upland adjacent to the agriculture. By developing a plant composition and juxtaposition such as this, subsidence could be minimized and, in some cases, may be reversed by increased accretion and peat regeneration. In addition, management practices would be clearly developed to maximize the benefits to wildlife. Such practices might include planting times for the crops, residual grain amounts in the agriculture fields, crop types permitted, harvest/mowing schedules, and flooding/drainage schedules.

By restoring natural habitats and having requirements to the agriculture, species such as the Swainson's hawk, waterfowl, and neotropical migrants would benefit directly with the increase in available habitat. Nesting species such as Swainson's and waterfowl would benefit because suitable foraging habitat would be available for the Swainson's and adequate water and nesting cover would be available for waterfowl. Other species such as neotropical migrants, giant garter snakes, and greater sandhill cranes would benefit as well because of the increase in available habitat. Water side habitat improvements and restoration would benefit species such as the splittail and delta smelt by providing shaded riverine and shallow water

Hypotheses Being Tested: Our hypotheses is that by modifying the current land use and management of the property, we can increase the value to fish and wildlife and, potentially, reverse subsidence through natural processes. Should the project move forward into implementation, a detailed monitoring study plan would be developed. Such a plan would be developed with input provided by the USGS who are conducting small scale projects of this nature else where in the Delta. We have been unsuccessful in obtaining any results of their studies to date. A monitoring plan for the fish and wildlife would also be developed to monitor use patterns of the site. Surveys would be conducted to monitor Swainson's hawk, wintering waterfowl, and crane use, nesting waterfowl production, as well as surveys to monitor restoration success and invasive species.

Adaptive Management: The interdisciplinary team will be heavily involved throughout the life of the restoration activities. Regular meetings will be conducted to review the progress and status of the site as well as other studies and projects that relate to this project. Modifications will be made accordingly as new information and studies become available.

Educational Objectives: Education is not a primary focus of this project but opportunities exist, such as interpretive centers. Opportunities will be dependent upon who retains ownership of the property. The results of restoration activities and fish and wildlife monitoring will be reported annually as well as any other specific studies conducted on the property.

PROPOSED SCOPE OF WORK

Location and/or Geographic Boundaries of the Project: The Canal Ranch is a 3,070 acre area located west of Blossom Road approximately four miles southwest of Thornton, in San

Joaquin County: The project area is located on Canal Ranch Tract which is South of Beaver Slough, North of Hog Slough, and East of the South Fork of the Mokelumne River. -

Approach: The Canal Ranch Habitat Restoration Demonstration Project is a proposal to maintain agricultural production while increasing the benefits to fish and wildlife on approximately 3,070 acres of agriculture land in the east Delta. The plan includes the restoration of permanent and seasonal wetlands, riparian along the edges, instream aquatic, shaded riverine aquatic, and north Delta agricultural wetlands and perennial grassland habitats for aquatic and terrestrial species. Implementation of the plan will be carried out in phases over multiple years. The first two phases are currently in progress and will result in detailed topographic surveys and a master HMP. These will provide the foundation for implementation and construction of the project.

For this third phase of the Canal Ranch Habitat Restoration Demonstration Project there are two subtasks scheduled for completion. The first subtask, or Phase IIIA, is to complete a formal appraisal for the property that will provide costs ranging from a conservation easement to in fee purchase of the property. The cost of the first subtask is \$15,265. The second subtask, or Phase IIIB, will be the acquisition of the property through easement or in fee purchase. The estimated cost is \$12,000,000 for in fee acquisition. It should be noted that this estimate may change depending upon the appraisal and do not take into consideration any existing structures or facilities on the property.

Monitoring and Assessment Plans: Monitoring will begin with implementation in Phase IV and continue ~~until~~ all objectives identified in the Master Plan have been met. Status reports will be written each year and submitted for review to the interdisciplinary team and CALFED. Monitoring will include: monitoring of water quality in Beaver and Hog sloughs and the Mokelumne River; wildlife use patterns in all of the habitat areas; emergent marsh and open water vegetation growth, diversity, percent cover, density, and intrusion of emergent marsh into open water habitats; riparian vegetation growth, diversity, survival rates of planted vegetation, percent canopy cover, diameter at breast height, and plant height; seasonal wetland vegetation species diversity, percent composition of species, and percent cover; upland vegetation species diversity and success of native herbaceous cover plantings; wildlife surveys quarterly for the first five years then yearly during portions of the year when targeted special status species are most likely to occur as determined by species experts and DFG; and, fisheries occurrence in the restored in-stream habitats.

Data Handling and Storage: All data collected during the monitoring efforts will be entered into an electronic database from field data sheets, data sheets will be bound and stored with the database at the Department of Fish and Game Central Valley Bay Delta Branch Office in Stockton. Monitoring reports will be developed yearly and presented to the interdisciplinary team for review and then submitted to CALFED.

Expected Products/Outcomes: Annual status reports describing the overall conditions and success of the restoration efforts will be made available. In addition, any special components such as peat regeneration studies, sediment accretion levels, and special status species

abundance will be included in the annual reports or in stand alone reports. This ~~will~~ be determined later in the future by the interdisciplinary team. Opportunities for workshops and seminars exist but no definitive plans have made as of yet.

Work Schedule: It is not feasible at this time to provide a time line for completion of the tasks listed above because acquisition of the property through an easement or in fee purchase is required before implementation of the HMP would take place. Should funds for acquisition of the property be approved through this phase, DFG will develop a plan for implementation and monitoring of the tasks above would begin immediately.

Feasibility: Implementation of the HMP is dependent upon some form of acquisition, be it easement or outright purchase. The owners of the property are open to either approach but restoration activities cannot begin until an acquisition agreement has been made. There may be a potential for incremental restoration but only if there was a clear and concise commitment in place with the landowner to complete the entire HMP?

APPLICABILITY TO CALFED ERP GOALS AND IMPLEMENTATION PLAN AND CVPIA PRIORITIES

ERP Goals and CVPIA Priorities: The HMP will contribute to meeting the visions for shaded riverine aquatic, Delta agriculture, seasonal wetland, and perennial grassland habitats, as well as the vision for the Delta Ecological Zone by increasing the area of these natural habitats and protecting agricultural practices to assist in the recovery of special status fish, plant, and wildlife populations.

Goal 1 - At Risk Species: The Canal Ranch Habitat Restoration Demonstration Project is expected to contribute to the recovery of several listed and special concern species by restoring natural habitats in their range. Species expected to benefit from the project include steelhead (rearing habitat), splittail (spawning and rearing habitats), delta smelt (spawning and rearing habitats), chinook salmon (rearing habitat), Swainson's hawk (nesting and foraging habitats), greater sandhill crane (roosting and foraging habitats), neotropical migratory birds (breeding and foraging habitats), and waterfowl (wintering and breeding habitats).

Goal 3 - Harvestable Species: One of the components of the restoration efforts is provide habitats for wintering waterfowl and offer hunting opportunities. The HMP includes restrictions to the agriculture that are not incompatible with waterfowl and cranes such as prohibiting asparagus, vineyards, and orchards. Management of the agriculture areas will also have guidelines such as residual grain requirements, field size, planting and harvest schedules, and mowing schedules.

Goal 4 - Habitats: Implementation of the project is expected to provide direct benefits through the restoration of fresh emergent wetland, seasonal wetland, Delta sloughs, nontidal perennial aquatic, riparian and riverine aquatic, perennial grassland, and wildlife friendly agriculture habitats.

Goal 5 - Non-native Invasive Species: Management strategies for the control and removal of non-native species will be a major component of the master HMP. Specifics of the management strategy for non-native invasive species cannot be adequately addressed until the interdisciplinary team has had the opportunity to review and revise the conceptual HMP and develop the master HMP. Some components of the strategy might include flooding and disking for plant species and harvest and/or habitat modifications for wildlife species.

Goal 6 - Sediment and Water Quality: The land use changes that result from implementation of the project are expected to facilitate improvement in water quality by reducing toxics entering the south fork of the Mokelumne River.

Relationship to Other Ecosystem Restoration Projects: The Canal Ranch Habitat Restoration Demonstration Project implementation will provide increased fish and wildlife value by complimenting the Nature Conservancy's Cosumnes River Preserve to the north, the DFG Woodbridge Ecological Reserve to the south, White Slough Wildlife Area, as well as the various conservation easements and in-channel island restoration projects in the rivers and sloughs. In addition, the project dovetails with the long-term goals set for the Central Valley and Delta by the North American Joint Venture Program.

Previous Recipients of CALFED and CVPIA Funding: This proposal is for funding for Phase III of a multi-phased project. Phase II was funded by CALFED (Canal Ranch Habitat Ranch Habitat Restoration Phase II, Proposal Number 99-B116) and is currently waiting for an executable contract from the U.S. Fish and Wildlife Service before work begins. Attachment A provides a brief description of the planned activities for Phase II.

System-Wide Ecosystem Benefits: Implementation of this project is expected to provide benefits to fish populations in the Mokelumne River watershed as well as increase breeding waterfowl populations in the East Delta.

QUALIFICATIONS

The DFG has a long history and extensive experience in the development and management of fish and wildlife habitat. DFG currently manages over 820,000 acres of fish and wildlife habitat in the form of 103 Wildlife Areas and 99 Ecological Preserves, many of which provide habitat for species at risk. In addition, DFG manages numerous conservation easements for habitat improvements throughout the State. The principle investigator, Mr. Brad Burkholder, has been with the DFG Central Valley Bay Delta Branch for eight years, five as a Wildlife Biologist. Since employed with the DFG, he has had experience with the development and monitoring of a variety of habitats. He is currently the principal investigator for the Palm Tract Mitigation Site and Grizzly Slough Restoration Site. The primary duties associated with those projects are compliance monitoring to ensure restoration objectives and mitigation requirements are met. His role in the projects are to conduct site visits, review progress reports, meet with contractors, and provide recommendations to the project proponents for compliance and mitigation needs. Other projects include Off-Stream Storage Investigations and the Delta Island Hunting Program. Tasks include leading the field surveys for mammal

species to conduct a biological assessment and, eventually, contribute to sections of the EIR/S for ~~Off-Stream~~ Storage. For the Delta Island Hunting Program, his duties include management of a public hunting program on Sherman and Twitchell islands in the Delta for pheasants and a late season waterfowl hunt on Twitchell Island.

When the Canal Ranch project is implemented, DFG will be the primary investigator in **all** aspects of the restoration. Restoration and plantings might be conducted by DFG habitat crews or go out to bid, this will not be determined ~~until~~ the project moves beyond the acquisition phase. Potential collaborators might include Ducks Unlimited, Inc., The Nature Conservancy, and the Wildlife Conservation Board.

COST

Budget: The budget for this third Phase of the Canal Ranch Habitat Restoration Demonstration Project is estimated to be approximately \$12,015,265 (Table 1). The two subtasks associated with Phase III are \$15,265 for the first subtask which will include two months salary for a wildlife biologist at \$42,950 a year, plus benefits, and the cost to conduct the appraisal. Staff time will include meeting with the land owners, potential collaborators, and the Wildlife Conservation Board. The second subtask is estimated to cost approximately \$12,000,000 and will be dependent **upon** the formal appraisal. The actual cost to CALFED will vary depending **upon** whether or not any partners can be identified to share the cost of the easement or purchase.

Table 1. Canal Ranch Phase III budget detail.

Task	Salary	Benefits	Real Estate	Overhead (19.9%)	Total
collaboration	7,560	1,550		1,815	10,925
appraisal	3,000	620		720	4,340
acquisition			12,000,000		12,000,000
				TOTAL	12,015,265

Cost Sharing: The Canal Ranch Habitat Restoration Project is located on property owned by the Canal Ranch Partners, L.L.C.. Negotiations are ongoing regarding the acquisition of the property. The preferred alternative is to develop an agreement in which the current land owners retain the title for the property with the placement of easement in perpetuity on it. **The** easement would allow public access. Potential funding partners have not been identified at **this** time.

LOCAL INVOLVEMENT

The Canal Ranch Partner's, L.L.C. are willing to participate in the management plan developed in 1996. The land is currently in agriculture production (corn, wheat, and asparagus) but has the potential to produce grapes. Upon completion of the public workshops and refinement of the existing plan, the project **could** move forward immediately. Communications between DFG and Canal Ranch Partner's, L.L.C. are ongoing. Solicitations are ongoing to identify potential funding sources interested in the implementation and/or acquisition. Should acquisition agreements be reached, contracts would be written, **all** necessary permits would be issued, and easements would be developed.

Other agencies and parties contacted and interested in the project include Ducks Unlimited, Inc., **U.S.** Fish and Wildlife Service, Natural Resource Conservation Service, Bureau of Land Management, and the Nature Conservancy. San Joaquin County Board of Supervisors and Planning Division, adjacent and nearby landowners, and the Delta Protection Commission were formally notified of our intentions in April of 1999. New letters stating our intentions of this Phase have been sent out (Attachment B).

COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The acquisition plan will be developed by DFG and the Canal Ranch Partner's, L.L.C.. The appraisal of the property will be conducted by the Wildlife Conservation Board. No specific contractual terms and conditions **are** required at this time. Should this project move forward, all terms and contracts will be written up and submitted to CALFED for approval.

ATTACHMENT A

Progress Report for Phase II - Funded by CALFED currently

An executable contract is not in place for Phase II of the Canal Ranch Habitat Restoration Demonstration Project as of yet. Work is not scheduled to begin until that time. At that time, an interdisciplinary team of scientists and engineers will be formed to review the Conceptual Habitat Management Plan created in 1996 and the engineering surveys and data of the site to develop a Feasibility Level Habitat Management Plan. In addition, public workshops will be conducted to inform Delta landowners and entities of the intentions for Canal Ranch.

ATTACHMENT B



State of California - The Resources Agency

DEPARTMENT OF FISH AND GAME

<http://www.dfg.ca.gov>

Central Valley Bay-Delta Branch

4001 North Wilson Way

Stockton, California 95205-2486

(209) 948-7800

GRAY DAVIS, Governor



May 8, 2000

San Joaquin County Board of Supervisors
Attention: Mr. Edward A. Simas, Chairman
222 East Weber, Room 701
Stockton, California 95202

Dear Mr. Simas:

This letter is to notify the Board of Supervisors that the California Department of Fish and Game Central Valley Bay-Delta Branch is submitting a proposal for acquisition of the Canal Ranch Tract. The proposal title is "Canal Ranch Habitat Restoration, Phase **III** Demonstration **Project**" and it will be submitted to the CALFED Bay-Delta Program for funding and is attached for your information and files. This phase of the project will involve conducting **an** appraisal, developing an acquisition plan with the land owners, and acquisition of the property through a conservation easement or in fee purchase. Questions concerning this proposal should be directed to:

Mr. Frank Wernette, Senior Biologist
California Department of Fish and Game
4001 N. Wilson Way
Stockton, California 95205
(209) 948-7800
fwernett@delta.dfg.ca.gov

or

Mr. Brad Burkholder, Wildlife Biologist
California Department of Fish and Game
4001 N. Wilson Way
Stockton, CA 95205
(209) 948-7800

Sincerely,

ORIGINAL SIGNED BY

Brad Burkholder
Wildlife Biologist
Central Valley Bay-Delta Branch

Attachment

cc: Department of Fish and Game
Stockton, California
Mr. Frank Wernette



State of California - The Resources Agency

DEPARTMENT OF FISH AND GAME

<http://www.dfg.ca.gov>

Central Valley Bay-Delta Branch

4001 North Wilson Way

Stockton, California 95205-2486

(209) 948-7800

GRAY DAVIS, Governor



May 8, 2000

San Joaquin County Planning Division
1810 East Hazelton
Stockton, California 95205

Re: Proposal for Habitat Restoration

This letter is to notify the San Joaquin County Planning Division that the California Department of Fish and Game Central Valley Bay-Delta Branch is submitting a proposal for acquisition of the Canal Ranch Tract. The proposal title is "**Canal Ranch Habitat Restoration, Phase III Demonstration Project**" and it will be submitted to the CALFED Bay-Delta Program for funding and is attached for your information and files. **This** phase of the project will involve conducting an appraisal, developing an acquisition plan with the land owners, and acquisition of the property through a conservation easement or in fee purchase. Questions concerning this proposal should be directed to:

Mr. Frank Wernette, Senior Biologist
California Department of Fish and Game
4001 N. Wilson Way
Stockton, California 95205
(209) 948-7800
fwernette@delta.dfg.ca.gov

or

Mr. Brad Burkholder, Wildlife Biologist
California Department of Fish and Game
4001 N. Wilson Way
Stockton, CA 95205
(209) 948-7800

Sincerely,

ORIGINAL SIGNED BY

Brad Burkholder
Wildlife Biologist
Central Valley Bay-Delta Branch

Attachment

cc: Department of Fish and Game
Stockton, California
Mr. Frank Wernette

Conservation Easement Acquisition

Memorandum

To : Margit Aramburu, Executive Director
Delta Protection Commission,
14215 River Road
P.O. Box 530
Walnut Grove, California 95690

Date : May 8, 2000

From : Department of Fish and Game

Subject : Canal Ranch Habitat Restoration Investigations

This memorandum serves to notify to the Delta Protection Commission and landowners, that the Central Valley Bay-Delta Branch of the California Department of Fish and Game is submitting a proposal for acquisition through easement or in fee purchase for Canal Ranch Tract. The proposal is titled "**Canal Ranch Habitat Restoration, Phase III Demonstration Project**" and will be submitted to the CALFED Bay-Delta Program for funding and is attached for your information and files. This phase of the project will involve conducting an appraisal, developing an acquisition plan with the land owners, and acquisition of the property through a conservation easement or in fee purchase. Questions concerning this proposal should be directed to:

Mr. Brad Burkholder, Wildlife Biologist
California Department of Fish and Game
4001 N. Wilson Way
Stockton, California 95205
(209) 948-7068
bburkholder@delta.dfg.ca.gov

If you have any other questions, please feel free to contact me at (209) 948-7800.

Original signed by

Brad Burkholder
Wildlife Biologist
Central Valley Bay-Delta Branch

Attachment

cc: Department of Fish and Game
Central Valley Bay-Delta Branch
Frank Wemette

Cotta Properties, Inc.
20200 Thornton Road
Lodi, CA 95242

James A. ~~Cotta~~ Vieyards, Inc.
10301 W. Peltier Road
Lodi, CA 95242

Thompson Folger Co.
PO **Box** 690067
Stockton, CA 95269-0067

Pacific Realty Associates LP
15350 SW Sequoia Parkway, Suite 300
Portland, OR 97224

Louis Mello Ranch, LP
9303 W Woodbridge Road
Lodi, CA 95242
ATTN: Louis Mello

Live *Oak* Investors, Inc.
11292 N. Alpine Road
Stockton, CA 95212

California Department of Fish and Game, Region 2
Rancho Cordova, **CA** 95670
ATTN: Banky Curtis, Regional Manager

Henry J. III and Lynette Foppiano
PO **Box** 8038
Stockton, CA 95208

Louis Giovannoni
PO Box 295
Walnut Grove, CA 95690

A. E. Gianelli Jr.
PO **Box** 1488
Stockton, CA 95201

John K. and **M** Ishizuka
6430 Brookdale Drive
Carmel, CA 93923

Fiddymment Estate Co.
4440 Phillips Road
Roseville, CA **95747**
ATTN: Caralie P Corin

Alberto A. Andrade
225 W. Elm Street
Lodi, CA 95240

Environmental Compliance Checklist

All applicants must fill out *this* Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. **Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.**

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA) or both?

YES

X
NO

2. If you answered yes to #1, identify the lead governmental agency for the CEQA/NEPA compliance.

Lead Agency

3. If you answered **no** to #1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

This proposal is **for** acquisition, land use changes will not occur until the implementation phase. CEQA/NEPA will be addressed prior to implementation.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either **or** both of these laws. Describe where the project is in the compliance process and the expected date of completion.

5. Will the applicant require access **public or** private property that the applicant does not own to accomplish the activities in the proposal?

YES

X
NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with **30 days of** notification of approval.

6. Please indicate what permits **or** other approvals may be required **for** the activities contained in your proposal. Check all boxes that apply.

LOCAL

Conditional use permit	<input type="checkbox"/>
Variance	<input type="checkbox"/>
Subdivision Map Act approval	<input type="checkbox"/>
Grading permit	<input type="checkbox"/>
General plan amendment	<input type="checkbox"/>
Specific plan approval	<input type="checkbox"/>
Rezone	<input type="checkbox"/>
Williamson Act Contract cancellation	<input type="checkbox"/>
Other _____ (Please specify)	<input checked="" type="checkbox"/>
None required	<input checked="" type="checkbox"/>

STATE

CESA Compliance	<input type="checkbox"/>	(CDFG)
Streambed alteration permit	<input type="checkbox"/>	(CDFG)
CWA § 401 certification	<input type="checkbox"/>	(RWQCB)
Coastal development permit	<input type="checkbox"/>	(Coastal Commission/BCDC)
Reclamation Board approval	<input type="checkbox"/>	
Notification	<input type="checkbox"/>	(DPC, BCDC)
Other _____ (Please specify)	<input checked="" type="checkbox"/>	
None required	<input checked="" type="checkbox"/>	

FEDERAL

ESA Consultation	<input type="checkbox"/>	(USFWS)
Rivers & Harbors Act permit	<input type="checkbox"/>	(ACOE)
CWA § 404 permit	<input type="checkbox"/>	(ACOE)
Other _____ (Please specify)	<input checked="" type="checkbox"/>	
None required	<input checked="" type="checkbox"/>	

DPC = Delta Protection Commission
 CWA = Clean Water Act
 CESA = California Endangered Species Act
 USFWS = U.S. Fish and Wildlife Service
 ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
 CDFG = California Department of Fish and Game
 RWQCB = Regional Water Quality Control Board
 BCDC = Bay Conservation and Development Comm.

Land Use Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. **Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.**

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breeching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

YES

X
NO

2. If NO to #1, explain what type of actions are involved in the proposal (i.e. research only, planning only).

This proposal is for acquisition, no land use changes are expected until future phases.

3. If YES to #1, what is the proposed land use change or restriction under the proposal?

4. If YES to #1, is the land currently under a Williamson Act contract?

YES

NO

5. If YES to #1, answer the following

Current land use

Current zoning

Current general plan designation

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

YES

NO

7. If YES to #1, how many acres of Land will be subject to physical change or land use restrictions under the proposal?

8. If YES to #1, is the property currently being commercially farmed or grazed?

YES

NO

9. If YES to #8, what are the number of employees/acre _____
the total number of employees _____ -

10. Will the applicant acquire any interest in land under the proposal (fee title **or** a conservation easement)?

X
YES

NO

11. What entity/organization will hold the interest? CDEG

12. If Yes to #10, answer the following:

Total number of acres to be acquired under proposal	<u>3,070</u>
Number of acres to be acquired in fee	<u>up to 3,070</u>
Number of acres to be subject to conservation easement	<u>up to 3,070</u>

13. **For** all proposals involving physical changes to the land **or** restriction in land use, describe what entity **or** organization will:

Manage the property CDEG

Provide operations and maintenance services unknown at this time

Conduct monitoring CDEG

14. **For** land acquisitions (fee title **or** easements), will existing water rights also be acquired?

X
YES

NO

15. ~~Does~~ the applicant propose any modifications to the water right **or** change in the delivery of the water?

YES

X
NO

16. If YES to #15, describe _____

Agreement No.: _____

Exhibit: _____

**STANDARD CLAUSES -
INTERAGENCY AGREEMENTS**

Audit Clause. For Agreements in excess of \$10,000, the parties shall be subject to the examination and audit of the State Auditor for a period of three years after final payment under the Agreement. (Government Code Section 8546.7).

Availability of Funds. Work to be performed under this Agreement is subject to availability of funds through the State's normal budget process.

Interagency Payment Clause. For services provided under this Agreement, charges will be computed in accordance with State Administrative Manual Sections 8752 and 8752.1.

Termination Clause. Either State agency may terminate this Agreement upon thirty (30) days' advance written notice. The State agency providing the services shall be reimbursed for all reasonable expenses incurred up to the date of termination.

Severability. If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all other provisions of this Agreement be construed to remain fully valid, enforceable, and binding on the parties.

Y2K Language. The Contractor warrants and represents that the goods or services sold, leased, or licensed to the State of California, its agencies, or its political subdivisions, pursuant to this Agreement are "Year 2000 compliant" For purposes of this Agreement, a good or service is Year 2000 compliant if it will continue to fully function before, at, and after the Year 2000 without interruption and, if applicable, with full ability to accurately and unambiguously process, display, compare, calculate, manipulate, and otherwise utilize date information. This warranty and representation supersedes all warranty disclaimers and limitations and all limitations on liability provided by or through the Contractor.

Agreement No.: _____

Exhibit: _____

**STANDARD CLAUSES -
INSURANCE REQUIREMENTS**

Contractor shall furnish to the State a certificate of insurance stating that there *is* liability insurance presently in effect for the Contractor of not less than \$1,000,000 per occurrence for bodily injury and property damage liability combined.

The certificate of insurance must include the following provisions:

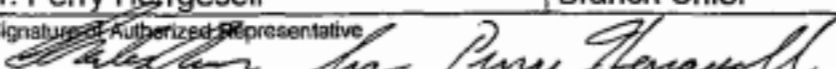
1. The insurer will not cancel *the* insured's coverage without thirty (30) days' prior written notice to the State.
2. The State of California, *its* officers, agents, employees, and servants are included **as** additional insured, but only insofar as the operations under this Agreement are concerned..

Contractor agrees that the bodily injury liability insurance herein provided for shall be in effect at all times during the ~~term~~ **of** this Agreement. In the event said insurance coverage expires at **any** time or times during the time of **this** Agreement, Contractor agrees to provide at least thirty (30) days prior to said expiration date, a **new** certificate of insurance evidencing insurance coverage as provided for herein for not less than the remainder of the term **of** this Agreement, or for a period of not less than one **(1)** year. New certificates of insurance are subject to the approval **of** the Department **of** General Services and Contractor agrees that no **work** or services shall be performed prior to the giving **of** such approval.. In the event Contractor fails to keep insurance coverage in effect at all times as herein provided, in addition to any other remedies it may have,, State may terminate **this** Agreement upon the occurrence of such event.

insurance certificates must have an original signature.

APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-00

		2 DATE SUBMITTED	Applicant Identifier
1. TYPE OF SUBMISSION		3. DATE RECEIVED BY STATE	State Application Identifier
Application <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		4 DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction			
5. APPLICANT INFORMATION			
Legal Name: California Department of Fish and Game		Organizational Unit: Central Valley Bay-Delta Branch	
Address (give city, county, State, and zip code): 4001 North Wilson Way Stockton, California 95205		Name and telephone number of person to be contacted on matters involving this application (give area code) Brad Burkholder (209) 948-7068	
6. EMPLOYER IDENTIFICATION NUMBER (EIN):		7. TYPE OF APPLICANT: (enter appropriate letter in box)	
94-1697567		<input checked="" type="checkbox"/> A A. State B. County C. Municipal D. Townshio E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____	
8. TYPE OF APPUCATION		9. NAME OF FEDERAL AGENCY:	
<input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other (specify): _____			
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:		11. DESCRIPTIVE TITLE OF APPLICANTS PROJECT:	
00-0000 TITLE: _____		Canal Ranch Habitat Restoration Phase III Demonstration Project	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):			
San Joaquin County, Canal Ranch Tract			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF	
Start Date	Ending Date	a. Applicant	b. Project
		California 11th District	California 11th District
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	5 12,015,265'	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:	
b. Applicant	\$	DATE _____	
c. State	5 M	b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372	
d. Local	15 00	<input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
e. Other	5 M		
f. Program Income	5 00	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?	
g. TOTAL	5 12,015,265.00	Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.			
a. Type Name of Authorized Representative		b. Title	c. Telephone Number
Dr. Perry Hergesell		Branch Chief	209-948-7800
d. Signature of Authorized Representative		e. Date Signed	
		5/9/00	

INSTRUCTIONS FOR THE SF424

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

- | Item: | Entry: |
|-------|--------|
|-------|--------|
1. Self-explanatory.

12. List only the largest political entities affected (e.g., State, counties, cities).
 2. Date application submitted to Federal agency (or State if applicable) and applicant's control number (if applicable).

13. Self-explanatory.
 3. State use only (if applicable).

14. List the applicant's Congressional District and any District(s) affected by the program or project
 4. If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank.

15. Amount requested or to be contributed during the first funding budget period by each contributor. Value of all kind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change to an existing award, indicate only the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amount are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15.
 5. Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application.

16. Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process.
 6. Enter Employer Identification Number (EIN) as assigned by the Internal Revenue Service.

17. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans **and** taxes.
 7. Enter the appropriate letter in the space provided.

18. To be signed by the authorized representative of the applicant. A copy of the governing body's authorization for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.
 8. Check appropriate box and enter appropriate letter(s) in the space(s) provided:

-- "New" means a new assistance award.

-- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.

-- "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation.
 9. Name of Federal agency from which assistance is being requested with this application.
 10. Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested.
 11. Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet, if appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project.

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Canal Ranch		\$	\$	10,015,265	\$	\$ 10,015,265
2.						
3.						
4.						
5. Totals		\$	\$	10,015,265.00	\$	\$ 10,015,265.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$ 10,560	\$	\$	\$	\$ 10,560.00
b. Fringe Benefits	2,170				2,170.00
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other	10,000,000				10,000,000.00
i. Total Direct Charges (sum of 6a-6h)	10,012,730.00				10,012,730.00
j. Indirect Charges	2,535				2,535.00
k. TOTALS (sum of 6i and 6j)	\$ 10,015,265.00	\$	\$	\$	\$ 10,015,265.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.	\$	\$	\$	\$	\$
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)	\$	\$	\$	\$	\$
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal					
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (Years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$	\$
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:	22. Indirect Charges:				
23. REVENUES:					

INSTRUCTIONS FOR THE SF-424A

Public reporting burden for this collection of information is estimated to average **180** minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0044), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

General Instructions

This form is designed so that application can be made for funds from one or more grant programs. In preparing the budget, adhere to any existing Federal grantor agency guidelines which prescribe how and whether budgeted amounts should be separately shown for different functions or activities within the program. For some programs, grantor agencies may require budgets to be separately shown by function or activity. For other programs, grantor agencies may require a breakdown by function or activity. Sections A, B, C, and D should include budget estimates for the whole project except when applying for assistance which requires Federal authorization in annual or other funding period increments. In the latter case, Sections A, B, C, and D should provide the budget for the first budget period (usually a year) and Section E should present the need for Federal assistance in the subsequent budget periods. All applications should contain a breakdown by the object class categories shown in lines a-k of Section B.

Section A. Budget Summary Lines 1-4 Columns (a) and (b)

For applications pertaining to a *single* Federal grant program (Federal Domestic Assistance Catalog number) and *not requiring* a functional or activity breakdown, enter on Line 1 under Column (a) the Catalog program title and the Catalog number in Column (b).

For applications pertaining to a *single* program *requiring* budget amounts by multiple functions or activities, enter the name of each activity or function on each line in Column (a), and enter the Catalog number in Column (b). For applications pertaining to multiple programs where none of the programs require a breakdown by function or activity, enter the Catalog program title on each line in Column (a) and the respective Catalog number on each line in Column (b).

For applications pertaining to *multiple* programs where one or more programs *require* a breakdown by function or activity, prepare a separate sheet for each program requiring the breakdown. Additional sheets should be used when one form does not provide adequate space for all breakdown of data required. However, when more than one sheet is used, the first page should provide the summary totals by programs.

Lines 1-4, Columns (c) through (g)

For new applications, leave Column (c) and (d) blank. For each line entry in Columns (a) and (b), enter in Columns (e), (f), and (g) the appropriate amounts of funds needed to support the project for the first funding period (usually a year).

For continuing grant program applications, submit these forms before the end of each funding period as required by the grantor agency. Enter in Columns (c) and (d) the estimated amounts of funds which will remain unobligated at the end of the grant funding period only if the Federal grantor agency instructions provide for this. Otherwise, leave these columns blank. Enter in columns (e) and (f) the amounts of funds needed for the upcoming period. The amount(s) in Column (g) should be the sum of amounts in Columns (e) and (f).

For supplemental grants and changes to existing grants, do not use Columns (c) and (d). Enter in Column (e) the amount of the increase or decrease of Federal funds and enter in Column (f) the amount of the increase or decrease of non-Federal funds. In Column (g) enter the new total budgeted amount (Federal and non-Federal) which includes the total previous authorized budgeted amounts plus or minus, as appropriate, the amounts shown in Columns (e) and (f). The amount(s) in Column (g) should not equal the sum of amounts in Columns (e) and (f).

Line 5 - Show the totals for all columns used.

Section B Budget Categories

in the column headings (1) through (4), enter the titles of the same programs, functions, and activities shown on Lines 1-4, Column (a), Section A. When additional sheets are prepared for Section A, provide similar column headings on each sheet. For each program, function or activity, fill in the total requirements for funds (both Federal and non-Federal) by object class categories.

Line 6a-i - Show the totals of Lines 6a to 6h in each column.

Line 6j - Show the amount of indirect cost

Line 6k - Enter the total of amounts on Lines 6i and 6j. For all applications for new grants and continuation grants the total amount in column (5), Line 6k, should be the same as the total amount shown in Section A, Column (g), Line 5. For supplemental grants and changes to grants, the total amount of the increase or decrease as shown in Columns (1)-(4), Line 6k should be the same as the sum of the amounts in Section A, Columns (e) and (f) on Line 5.

Line 7 - Enter the estimated amount of income, if any, expected to be generated from this project. Do not add or subtract this amount from the total project amount. Show under the program

INSTRUCTIONS FOR THE SF-424A (continued)

narrative statement the nature and source of income. The estimated amount of program income may be considered by the Federal grantor agency in determining the total amount of the grant.

Section C. Non-Federal Resources

Lines **8-11** Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet

Column (a) - Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.

Column (b) - Enter the contribution to be made by the applicant

Column (c) - Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies **should** leave this column blank.

Column (d) - Enter the amount of cash and in-kind contributions to be made from all other sources.

Column (e) - Enter **totals** of Columns (b), (c), and (d).

Line **12** - Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f), Section A.

Section D. Forecasted Cash Needs

Line **13** - Enter the amount of cash needed by quarter from the grantor agency during the first year.

Line **14** - Enter the amount of cash from all other **sources** needed by quarter during the first year.

Line **15** - Enter the totals of amounts on Lines 13 and 14.

Section E. Budget Estimates of Federal Funds Needed for Balance of the Project

Lines **16-19** - Enter in Column (a) the same grant program title shown in Column (a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants.

If more than four lines are needed to list the program titles, submit additional schedules as necessary.

Line **20** - Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

Section F. Other Budget Information

Line **21** - Use this space to explain amounts for individual direct object class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

Line **22** - Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

Line **23** - Provide any other explanations or comments ~~deemed~~ necessary.

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE. Certain of these assurances may not be applicable to your project or program. If you have questions, please Contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation

Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7326) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protection components or potential components of the nation's wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 1159 (Identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, and other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction and rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-13: "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

Charles Lee Perry Herrgesell
Dr. Perry Herrgesell

TITLE

Branch Chief

APPLICANT ORGANIZATION

California Department of Fish and Game

DATE SUBMITTED

5/9/00